Location ID: <u>\$1-3-486</u>		_ Field Repres	entative(s): M. Canavan, D. Menzie, Joyce Chapman-Fahey		
Date Started: <u>07/18/91</u>			Date Co	mpleted: <u>08/08/91</u>		
Northing: <u>230899.085</u>			Easting: 400668.007			
Brass Cap: <u>4495.98</u>	0	uter Casing: <u>44</u>	96.88	Inner Casing: 4	497.61	
Drilling Method: Mud/air Foa	m Rota	ary	Drilling	Contractor: Larjon Drilling C	Co	
Driller: D. Sanchez/J. Gower						
Total Depth Borehole:	510'		Total De	epth Well Casing: 501.77'		
Total Depth Surface Casing:		58'	_			
Diameter Well Casing:	4"		Diamete	r Surface Casing: 10"		
Length of Bottom Blank:	<u>5.35'</u>					
Type of Screen: 10' extr	a stren	gth 0.02 s	lot			
Screen Interval: 486.00		_ to <u>496,42</u> '				
Water First Detected: water 1	not det	ected while dri	lling W	Vater Level Open Borehole: (T.S.C. (07/31/		
Water Level Cased Borehole:	<u>428.13</u>	o' (T.O.C.) (08/	09/91)			
Quik-Foam Use: 3 gal.						
Estimated Water Use: 5,400 g	gallons					
Well Casing:						
4in x 3ft SCD 40 PVC: 4in x 5ft SCD 40 PVC: 4in x 10ft SCD 40 PVC: 4in x 20ft SCD 40 PVC: Total SCD 40 PVC pipe:	ſt		4 4 4 2	tock SS centralizers: ustom SS centralizers: 1 set "x2' SS locking riser: 1.99 ft " SS locking cap: 1 " SS female cap: 1 ft ASTM male adaptor: ohnson male adaptor:	.54 .29	
4in x 3ft SCD 5 SS pipe: 4in x 5ft SCD 5 SS pipe: 4in x 10ft SCD 5 SS pipe: 4in x 20ft SCD 5 SS pipe: Total SCD 5 SS pipe:	5.01 5.01	ft	4 4	in x 5ft SCD 10 SS pipe: in x 10ft SCD 10 SS pipe: in x 20ft SCD 10 SS pipe: Total SCD 10 SS pipe:	5.35 320.08 160.25 485.68 ft	

Well Completion:

100# bags 16/40 sand	: 36	bags
100# bags 10/20 sand	: 0	bags
100# bags 8/14 sand:	: 0	bags
100# bags 8/20 sand:	: 11	bags

94# bags cement:

166 bags

5 gal. buckets bentonite:

0 buckets

50# bentonite powder:

16 bags

Benseal:

bags

1/2

Surface Casing:

94# bags cement:

35 bags

50# bags bentonite powder: 4

bags

Grout:

0 bags

Pertinent Field Notes:

07/17/91	Steam clean and mobilize mud rotary equipment to site, remove and repair rig jack.	
0//1//91	Steam clean and modnize mud rotary equipment to site, remove and repair ng rack.	

- Menzie

07/18/91 Drill mud rotary (121/4" tricone mill tooth bit) pilot hole from 0'-58'. - Menzie

07/19/91 Reamed pilot hole from 121/4 to 16". Installed and grouted surface casing.

- Chapman-Fahey

07/22/91 Demobilize Frank's rig from site. - Chapman-Fahey

07/26/91 Steam clean BE rig and set up the air/foam rotary equipment for drilling. Drilled

from 58'-185'. - Chapman-Fahey

07/29/91 Air/foam drill from 185'-485'. No visible signs of water. - Chapman-Fahey

07/30/91 Water level measured at 427.15 (T.O.D.). Air foam drill from 485'-510' (TD).

- Chapman-Fahey

07/31/91 The hole is logged. Supplies for completion are steam cleaned and taken to site.

Equipment is set up for completion. - Chapman-Fahey

07/31/91	Water level is measured at 426.00' (T.S.C.)
08/01/91	Water level is measured at 425.93' (T.S.C.). Casing is run, screen is set at 486'-496'.42. The gravel pack is put into 476.42'. The seal is pumped on top of gravel pack. Top of seal at 474.58' Chapman-Fahey
08/02/91	Filler sand is poured from 474.58 to 415.92' Chapman-Fahey
08/05/91	The first load of grout is poured. No grout invasion Chapman-Fahey
08/06/91	Second load of grout is poured from 172.42' to surface Chapman-Fahey
08/07/91	Water level is measured at 428.18' (TOC). Bail well and install pump in well Chapman-Fahey
08/08/91	1128 gallons were pumped for development. Well developed. Pull pump Chapman-Fahey
08/08/91	Notified Lockheed that well is developed Canavan